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The cross-correlation single-shot **sonogram** technique offers exact **pulse** ... resolution of the **filter** function used to record the **sonogram** trace [Fig. ...

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Femtosecond and picosecond ultrafast optical pulse measurement

The **pulse sonogram** is measured by recording the intensity and arrival time of ... The **sonogram** can be measured using cross-correlation between the original ...

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In the **sonogram** measurement, the window function for frequency **filtering** is given.

The **pulse** ... **Sonogram**. Reconstructed **pulse**. Spectrum. Auto-correlation ...

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pulse. This **correlation** measurement would provide. us with a **sonogram** of the input ultrashort ... Illustration of the **filtering** of the ultrashort **pulse** ...

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through the **filter** we generated the incident **pulse**. ... of measuring the **pulse sonogram** to investigate the. phase of the pulses. ...

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Ultrafast Nanoscale Optics Group, University of California, San ...

... we discuss the modification of our interferometric **correlation** system in order to provide single-shot detection of a **sonogram** of an ultrashort laser **pulse**. ...

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of the **filter** function, $G \cdot FT G$. Therefore if the. gating **pulse** width is sufficiently ... ultrashort **pulse** amplitude and phase from a **sonogram**, " IEEE ...

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pass **filter** for acquisition of a **sonogram** has been a grating- lens-mirror arrangement within a $2f$... **correlation** and FROG, the measurement of the **sonogram** ...

www.st-andrews.ac.uk/~wsquad/pubs/Favry%20perot%20sonogram.pdf - [Similar pages](#)

FROG: OPN Cover Article

Note that the spectrogram and **sonogram** graphically follow the **pulse** ... and the **cross-correlation** of the selected slice with the input **pulse** is taken by ...

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Signal Processing

The **correlation** algorithm is very similar mathematically to convolution, ...

Design of the FIR **filter** coefficients used with SmoothCustom is most easily ...

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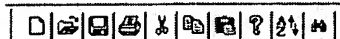
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18	BRS	L18	34263	correlat\$	EPO; JPO; IBM TDB	2005/08/24 09:40	
19	BRS	L19	24725	filter	EPO; JPO; IBM TDB	2005/08/24 09:42	
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21	BRS	L21	0	17	EPO; JPO; IBM TDB	2005/08/24	

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